

merely canescent. The nutlets in *A. Parryana* are most usually coalesced into a solid stone, while in var. *pinetorum* they are frequently separate. *A. Parryana* usually occurs between 4000 and 6000 feet elevation while var. *pinetorum* is generally found at higher altitudes although their ranges frequently overlap.

Arctostaphylos Parryana var. *pinetorum* of southern California has long been mistaken for *A. patula* Greene of the Sierra Nevada. However, *A. patula* forms a definite burl, whereas *A. Parryana* var. *pinetorum* does not. This has been carefully checked by the field crews of the Type Map Survey and in no instance was a burl found. Layering does occur and might be mistaken for sprouts from a burl. After fire *A. Parryana* var. *pinetorum* is killed (pl. 5, fig. 2), while in *A. patula* regeneration takes place by sprouting from the burl (pl. 5, fig. 1). Lack of burl formation in *A. Parryana* var. *pinetorum* was observed also by Rollins in the Colorado plants. A study of many southern California specimens both in the field and herbarium indicates that *A. patula* does not occur south of the Tehachapi Mountains.

California Forest and Range
Experiment Station, Berkeley,
November 28, 1938.

NOTES AND NEWS

The following publication should be of special value to those interested in growing native California plants: Collecting and Handling of the Seeds of California Wild Plants, by N. T. Mirov and C. J. Kraebel, California Forest and Range Experiment Station, Forest Service, United States Department of Agriculture, Forest Research Notes No. 18, p. 1-27, 1937 (multigraphed). The preliminary part of the paper deals with methods of collection, extraction and storage of native plant seed while the bulk of the text deals with germination experiments. Methods of hastening germination of refractory seeds are discussed. In the appendix seed and cultural data for some 250 California plants are summarized under the following headings: time of seed collecting; approximate number of seeds per pound; days between sowing and germination; highest germination percent obtained; treatment and cultural remarks.

PROCEEDINGS OF THE CALIFORNIA BOTANICAL SOCIETY

March 17, 1938. Meeting, Room 2093, Life Sciences Building, University of California, Berkeley, at 8:00 P. M. The president, Mr. H. E. McMinn, occupied the chair. Lecture: "Madagascar" by Mrs. Harold E. Kirby of Berkeley; illustrated by slides.

April 23, 1938. Silver Jubilee Dinner at the Berkeley